

## [SEQUENCE LISTING]

&lt;110&gt; Takeda Chemical Industries, Ltd.

&lt;120&gt; Process for Producing KiSS-1 peptide

&lt;130&gt; P04-501PCT

&lt;150&gt; JP 2002-005180

&lt;151&gt; 2002-01-11

&lt;160&gt; 21

&lt;210&gt; 1

&lt;211&gt; 54

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;220&gt;

<223> the C-terminus of the polypeptide is amide (-CONH<sub>2</sub>) form

&lt;400&gt; 1

Gly	Thr	Ser	Leu	Ser	Pro	Pro	Pro	Glu	Ser	Ser	Gly	Ser	Arg	Gln	Gln
1				5					10					15	
Pro	Gly	Leu	Ser	Ala	Pro	His	Ser	Arg	Gln	Ile	Pro	Ala	Pro	Gln	Gly
		20						25					30		
Ala	Val	Leu	Val	Gln	Arg	Glu	Lys	Asp	Leu	Pro	Asn	Tyr	Asn	Trp	Asn
		35					40					45			
Ser	Phe	Gly	Leu	Arg	Phe										
	50				54										

&lt;210&gt; 2

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Human

&lt;400&gt; 2

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gacctgccga	actacaactg	gaactctttc	ggtctgcgtt	tc		162

&lt;210&gt; 3

&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 3

Gly	Lys	Arg	Glu	Ala	Ala	Pro	Gly	Asn	His	Gly	Arg	Ser	Ala	Gly	Arg
1				5				10					15		
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		20					24								

&lt;210&gt; 4

&lt;211&gt; 72

&lt;212&gt; DNA

<213> Human

<400> 4

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<210> 5

<211> 79

<212> PRT

<213> Human

<400> 5

Gly	Thr	Ser	Leu	Ser	Pro	Pro	Pro	Glu	Ser	Ser	Gly	Ser	Arg	Gln	Gln
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Pro	Gly	Leu	Ser	Ala	Pro	His	Ser	Arg	Gln	Ile	Pro	Ala	Pro	Gln	Gly
		20						25				30			
Ala	Val	Leu	Val	Gln	Arg	Glu	Lys	Asp	Leu	Pro	Asn	Tyr	Asn	Trp	Asn
		35				40					45				
Ser	Phe	Gly	Leu	Arg	Phe	Cys	Gly	Lys	Arg	Glu	Ala	Ala	Pro	Gly	Asn
	50					55				60					
His	Gly	Arg	Ser	Ala	Gly	Arg	Gly	Trp	Gly	Ala	Gly	Ala	Gly	Gln	
65					70				75						

<210> 6

<211> 237

<212> DNA

<213> Human

<400> 6

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gacctgccga actacaactg gaactctttc ggtctgcgtt tctgcggtaa acgtgaagct 180  
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<210> 7

<211> 237

<212> DNA

<213> Human

<400> 7

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gacctgccga actacaactg gaactctttc ggtctgcgtt tctgtggtaa acgtgaagct 180  
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<210> 8

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 8

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<210> 9  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 9  
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<210> 10  
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 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 10  
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<210> 11  
 <211> 53  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 11  
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<210> 12  
 <211> 96  
 <212> DNA  
 <213> Human

<400> 12  
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<210> 13  
 <211> 149  
 <212> DNA  
 <213> Human

<400> 13  
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<210> 14  
 <211> 245  
 <212> DNA  
 <213> Human

<400> 14  
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 aaaagacctg ccgaactaca actggaactc tttcggctctg cgtttctgcg gtaaactga 180  
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<210> 15  
 <211> 145  
 <212> PRT  
 <213> Human

<400> 15  
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 1 5 10 15  
 His Phe Gly Glu Pro Leu Glu Lys Val Ala Ser Val Gly Asn Ser Arg  
 20 25 30  
 Pro Thr Gly Gln Gln Leu Glu Ser Leu Gly Leu Leu Ala Pro Gly Glu  
 35 40 45  
 Gln Ser Leu Pro Cys Thr Glu Arg Lys Pro Ala Ala Thr Ala Arg Leu  
 50 55 60  
 Ser Arg Arg Gly Thr Ser Leu Ser Pro Pro Pro Glu Ser Ser Gly Ser  
 65 70 75 80  
 Arg Gln Gln Pro Gly Leu Ser Ala Pro His Ser Arg Gln Ile Pro Ala  
 85 90 95  
 Pro Gln Gly Ala Val Leu Val Gln Arg Glu Lys Asp Leu Pro Asn Tyr  
 100 105 110  
 Asn Trp Asn Ser Phe Gly Leu Arg Phe Gly Lys Arg Glu Ala Ala Pro  
 115 120 125  
 Gly Asn His Gly Arg Ser Ala Gly Arg Gly Trp Gly Ala Gly Ala Gly  
 130 135 140  
 Gln  
 145

<210> 16  
 <211> 152  
 <212> PRT  
 <213> Mouse

<400> 16  
 Met Tyr Leu Arg Phe Gly Val Asp Val Cys Ser Leu Ser Pro Trp Lys  
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 Glu Thr Val Asp Leu Pro Leu Pro Pro Arg Met Ile Ser Met Ala Ser  
 20 25 30  
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 35 40 45  
 Ala Lys Val Ala Pro Gly Ser Thr Gly Gln Gln Ser Gly Pro Gln Glu  
 50 55 60  
 Leu Val Asn Ala Trp Glu Lys Glu Ser Arg Tyr Ala Glu Ser Lys Pro  
 65 70 75 80  
 Gly Ser Ala Gly Leu Arg Ala Arg Arg Ser Ser Pro Cys Pro Pro Val  
 85 90 95  
 Glu Gly Pro Ala Gly Arg Gln Arg Pro Leu Cys Ala Ser Arg Ser Arg  
 100 105 110  
 Leu Ile Pro Ala Pro Arg Gly Ala Val Leu Val Gln Arg Glu Lys Asp

<210>	17
<211>	156
<212>	PRT
<213>	Mouse

$\langle 210 \rangle$	18
$\langle 211 \rangle$	130
$\langle 212 \rangle$	PRT
$\langle 213 \rangle$	Rat

5

130

<210> 19  
<211> 449  
<212> DNA  
<213> Mouse

<400> 19  
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cgccacctat ggggagccgc tggcaaaagt gaagcctgga cacaggccag cagtccggac 180  
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gcagggctgc gcgctcgtag gtgcgtcgcca tgcccgcggg ttgagggccc cgcggggcgc 300  
cagcgccccc tgtgtgcctc gcagtcgcct gatccctgcg ccccgcgag cggtgctggt 360  
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<210> 20  
<211> 458  
<212> DNA  
<213> Mouse

<400> 20  
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cgccacctat ggggagccgc tggcaaaagt ggcacctttg gaagcctgga tccacaggcc 180  
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cccgcggggc gccagcgcc tgtgtgcctc ccgcagtcgc ctgatccctg cgcgcccgcg 360  
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<210> 21  
<211> 390  
<212> DNA  
<213> Rat

<400> 21  
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caggaactcg ttaatgcctg gcaaaaaggg ccgcggtatg cagagagcaa gcctggggct 180  
gcaggactgc gcgctgcgcg aacatcgcca tgcccgcggg tggagaacct cacggggcac 240  
cagcgccccc cgtgtgccac ccgcagtcgc ctgatccctg cgcgcccgcg atcggtgctg 300  
gtgcagcgcg agaaggacat gtcagcctac aactggaact cctttggcct gcgctacggc 360  
aggaggcagg tggcgcgggc ggcacggggc 390